



58994.ST25

#23/E

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TECH CENTER 1600/2900

SEQUENCE LISTING

<110> Goulmy, Elsa

<120> METHOD FOR TYPING OF MINOR HISTOCOMPATIBILITY ANTIGEN HA-1

<130> 58994

<140> 09/269,250

<141> 1999-05-21

<160> 38

<170> PatentIn version 3.1

<210> 1

<211> 377

<212> DNA

<213> Human

<400> 1

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60ggagggaggg acttggggag gctcagaagg gagggaggct cagatggcag ggagggctgt
120gtggaagagg ccatgacagc taaggctctg agggatgtgt aggagtttgg tgggggagtc
180cctgagcgta cactgggtca agaggggtgcc cactttattt tttttaaggg atctgatggc
240aattaggagg gaaaggcaga ggaaatgtcc catgcacagg ctcagaaaca cggaaacaga
300gaatgcattt gggggccaag gtgtgggggtg ccgctgggtgt aggatgaagg catgacaacg
360ccaggcagaa gggcaat
377

<210> 2
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<212> DNA
<213> Artificial Sequence

<220>
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<400> 2
gtgctgcctc ctggacactg
20

<210> 3
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<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 3
tggtcttcac cgtcatgcag
20

<210> 4
<211> 20
<212> DNA
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<220>
<223> Description of Artificial Sequence: Primer

<400> 4
tggtcttcac cgtcacgcaa
20

<210> 5
<211> 20
<212> DNA
<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 5

gcattctctg ttcccggtgtt

20

<210> 6

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 6

cttaaggagt gtgtgctgca

20

<210> 7

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 7

cttaaggagt gtgtgttgcg

20

<210> 8

<211> 20

<212> DNA

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<223> Description of Artificial Sequence: Primer

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gctgtcatgg cctcttccac
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<210> 9
<211> 20
<212> DNA
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gcattctctg tttcctgtgt
20

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<212> DNA
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<210> 11
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<220>
<223> Description of Artificial Sequence: Primer

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18

<210> 12
<211> 15
<212> DNA
<213> Artificial Sequence

<220>
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<400> 12
gtgtgttgcg tgacg
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<210> 13
<211> 16
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<220>
<223> Description of Artificial Sequence: Primer

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tgtgtgttgc gtgacg
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<210> 14
<211> 19
<212> DNA
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<220>
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19

<210> 15
<211> 18
<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

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tgtgtgctgc atgacggt
18

<210> 16

<211> 18

<212> DNA

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<223> Description of Artificial Sequence: Primer

<400> 16

gtgtgctgca tgacgggtg
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<210> 17

<211> 27

<212> DNA

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<222> (1)..(27)

<223>

<400> 17

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27

Val Leu Arg Asp Asp Leu Leu Glu Ala

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5

<210> 18
<211> 9
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Exon Fragments

<400> 18

Val Leu Arg Asp Asp Leu Leu Glu Ala
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<210> 19
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<213> Artificial Sequence

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<223> Description of Artificial Sequence: Exon Fragments

<220>
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<222> (1) .. (27)
<223>

<400> 19
gtg ctg cat gac gac ctc ctt gag gcc
27
Val Leu His Asp Asp Leu Leu Glu Ala
1 5

<210> 20
<211> 9
<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Exon Fragments

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Val Leu His Asp Asp Leu Leu Glu Ala

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5

<210> 21

<211> 23

<212> DNA

<213> Artificial Sequence

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<223> Description of Artificial Sequence: Exon Fragments

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23

<210> 22

<211> 37

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Exon Fragments

<400> 22

ctcactccga ctctccccag cagacctcct tgaggcc

37

<210> 23

<211> 33

<212> DNA

<213> Artificial Sequence

<220>

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<210> 24
 <211> 30
 <212> DNA
 <213> Artificial Sequence

<220>
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<400> 24
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<210> 25
 <211> 39
 <212> DNA
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<220>
 <223> Description of Artificial Sequence: PCR Product

<220>
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 <222> (1)..(39)
 <223>

<400> 25
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 39
 Glu Cys Val Leu Arg Asp Asp Leu Leu Glu Ala Arg Arg

1

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10

<210> 26
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<220>
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Glu Cys Val Leu Arg Asp Asp Leu Leu Glu Ala Arg Arg
 1 5 10

<210> 27
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<220>
 <223> Description of Artificial Sequence: PCR Product

<220>
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 <223>

<400> 27
 gag tgt gtg ctg cat gac gac ctc ctt gag gcc cgc cgc
 39
 Glu Cys Val Leu His Asp Asp Leu Leu Glu Ala Arg Arg
 1 5 10

<210> 28
 <211> 13
 <212> PRT
 <213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: PCR Product

<400> 28

Glu Cys Val Leu His Asp Asp Leu Leu Glu Ala Arg Arg
1 5 10

<210> 29

<211> 9

<212> PRT

<213> Human

<220>

<221> MISC_FEATURE

<222> (3)..(3)

<223> Xaa represents a histidine (H) or an arginine (R) residue

<400> 29

Val Leu Xaa Asp Asp Leu Leu Glu Ala
1 5

<210> 30

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 30

gctcctgcat gacgctctgt ctgca
25

<210> 31

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 31

gacgtcgtcg aggacatctc ccat

24

<210> 32

<211> 25

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 32

gaaggccaca gcaatcgtct ccagg

25

<210> 33

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 33

ccttgagaaa cttaaggagt gtgtgctgca

30

<210> 34

<211> 30

<212> DNA

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Primer

<400> 34

ccttgagaaa cttaaggagt gtgtgttgcg
30

<210> 35
<211> 78
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: PCR Product

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<222> (1)..(78)
<223>

<400> 35
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48
Glu Cys Val Leu Arg Asp Asp Leu Leu Glu Ala Arg Arg Glu Cys Val
1 5 10 15

ctg cat gac gac ctc ctt gag gcc cgc cgc
78
Leu His Asp Asp Leu Leu Glu Ala Arg Arg
20 25

<210> 36
<211> 26
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: PCR Product

<400> 36

Glu Cys Val Leu Arg Asp Asp Leu Leu Glu Ala Arg Arg Glu Cys Val
 1 5 10 15

Leu His Asp Asp Leu Leu Glu Ala Arg Arg
 20 25

<210> 37

<211> 9

<212> PRT

<213> Human

<220>

<221> MISC_FEATURE

<222> (2)..(2)

<223> Xaa represents Isoleucine or Leucine

<400> 37

Tyr Xaa Thr Asp Arg Val Met Thr Val
 1 5

<210> 38

<211> 8

<212> PRT

<213> HUMAN

<400> 38

Val Leu His Asp Leu Leu Glu Ala
 1 5